# EM Symposium

## IN HONOR OF RAJ MITTRA

**Saturday, September 27, 2014**

Daylong symposium and dinner

All events will be in the Electrical and Computer Engineering Building, 306 N. Wright Street, Urbana. All sessions will be held in Room 1013. Additional locations for breaks and meals are noted below.

**8 – 9 a.m. | Continental breakfast and registration (Atrium)**

**9 – 10:30 a.m. | Session 1**

Chair: Jianming Jin, University of Illinois

1.1. Computational Electromagnetics: Simplicity is Power, **Andreas Cangellaris**, *University of Illinois*

1.2. Recent Progress in 'Slow' Methods for Computational Electromagnetics, **Andrew Peterson**, *Georgia Institute of Technology*

1.3. Recent Developments and Trends in Metamaterials, **Doug Werner**, *Penn State University*

1.4. How Should We Excite Non-engineers about our Professions as Antenna Engineers and Scientists, **Yahya Rahmat-Samii**, *University of California, Los Angeles*

**10:30 – 11 a.m. | Coffee Break (Atrium)**

**11 a.m. – noon | Session 2**

Chair: Kevin Webb, Purdue University

2.1. 150 Years of Maxwell's Equations, Weng Chew, University of Illinois

2.2. Taking Lessons Learned from Computational EM into Other Domains, **Vikram Jandhyala**, *University of Washington*

2.3. The Physics of Signal Propagation in a Cellular Environment, **Tapan Sarkar**, *Syracuse University*

**Noon – 1:30 p.m. | Lunch (Room 3002)**

**1:30 – 2:30 p.m. | Session 3**

Chair: Keith Whites, South Dakota School of Mines & Technology

3.1. Electromagnetics and its Relationship to the History of Packaging, **Madhavan Swaminathan**, *Georgia Institute of Technology*

3.2. Electromagnetics and Simultaneous Switching Noise, **Dale Becker**, *IBM*

3.3. Seven Open Problems in CEM, **Eric Michielssen**, *University of Michigan*

**2:30 – 3 p.m. | Coffee Break (Atrium)**

**3 – 3:40 p.m. | Session 4**

Chair: Steven Castillo, Sandia National Labs

4.1. Development of Computational EM during the 1980s, **Tom Cwik**, *Jet Propulsion Laboratory*

4.2. Gauss, Euler, von Karman, Wiener, Mittra and You, **Chi Hou Chan**, *Hong Kong City University*

**4 – 5:30 p.m. Open Hour | Tour of ECE Building**

**6 p.m. | Reception (Room 3002)**

**7 p.m. | Dinner (Room 3002)**

**8 p.m. | Remarks (Room 3002)**